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Patent
Attorney's Docket No. 024938-192

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of) Attention: **DRAFTING BRANCH**
Ronald John VANDERHELM)
Application No.: 10/038,124) Group Art Unit: 2681
Filed: January 2, 2002) Examiner: unknown
For: CORE WIRELESS ENGINE)

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Technology Center 2600

SUBMISSION OF FORMAL DRAWINGS

Assistant Commissioner for Patents
Washington, D.C. 20231

ATTN: OFFICIAL DRAFTSMAN

Sir:

Enclosed please find six (6) sheet(s) of formal drawings for review by the Patent and Trademark Office in connection with the above-referenced application. Should the enclosed drawings require changes, it is respectfully requested that the Patent and Trademark Office notify the undersigned of same.

Respectfully submitted,

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Date: February 26, 2002

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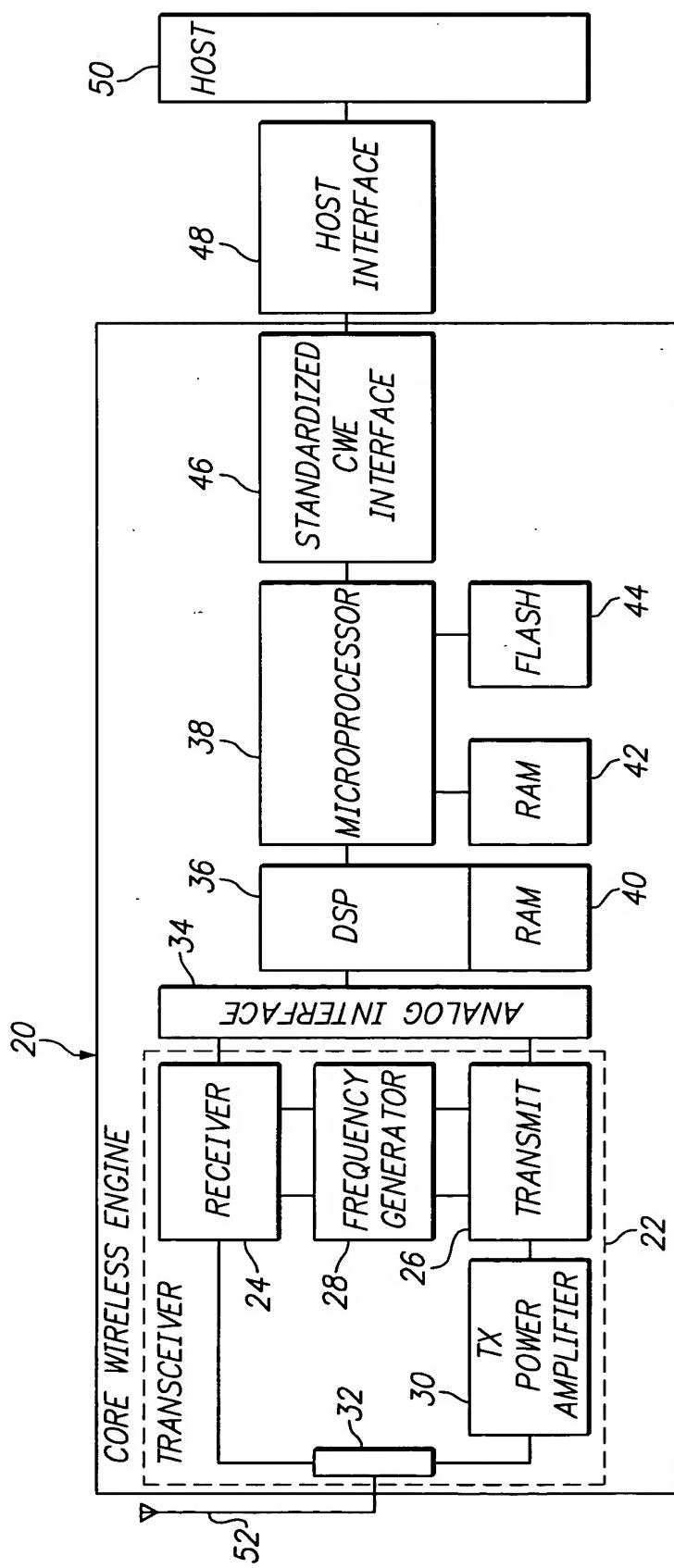
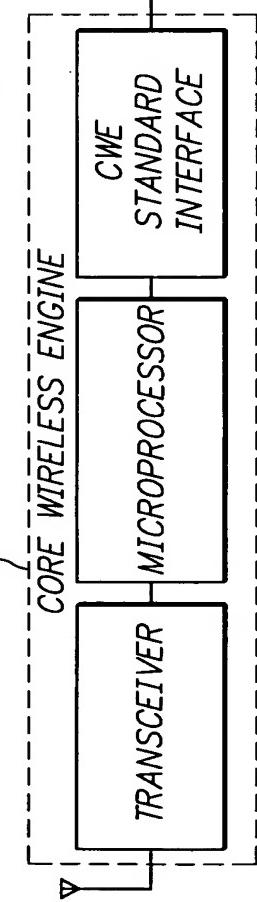


FIG. 1



Different I/O Chip For
Each Product Application

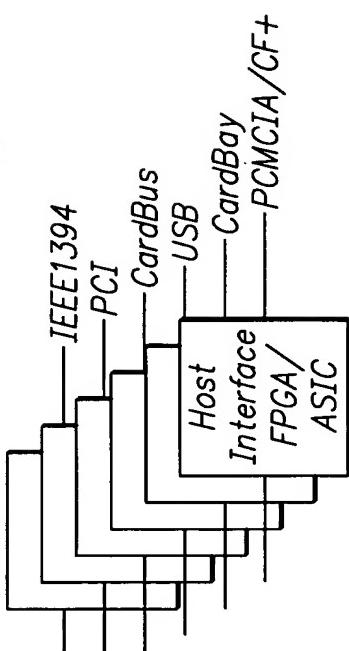


FIG. 2

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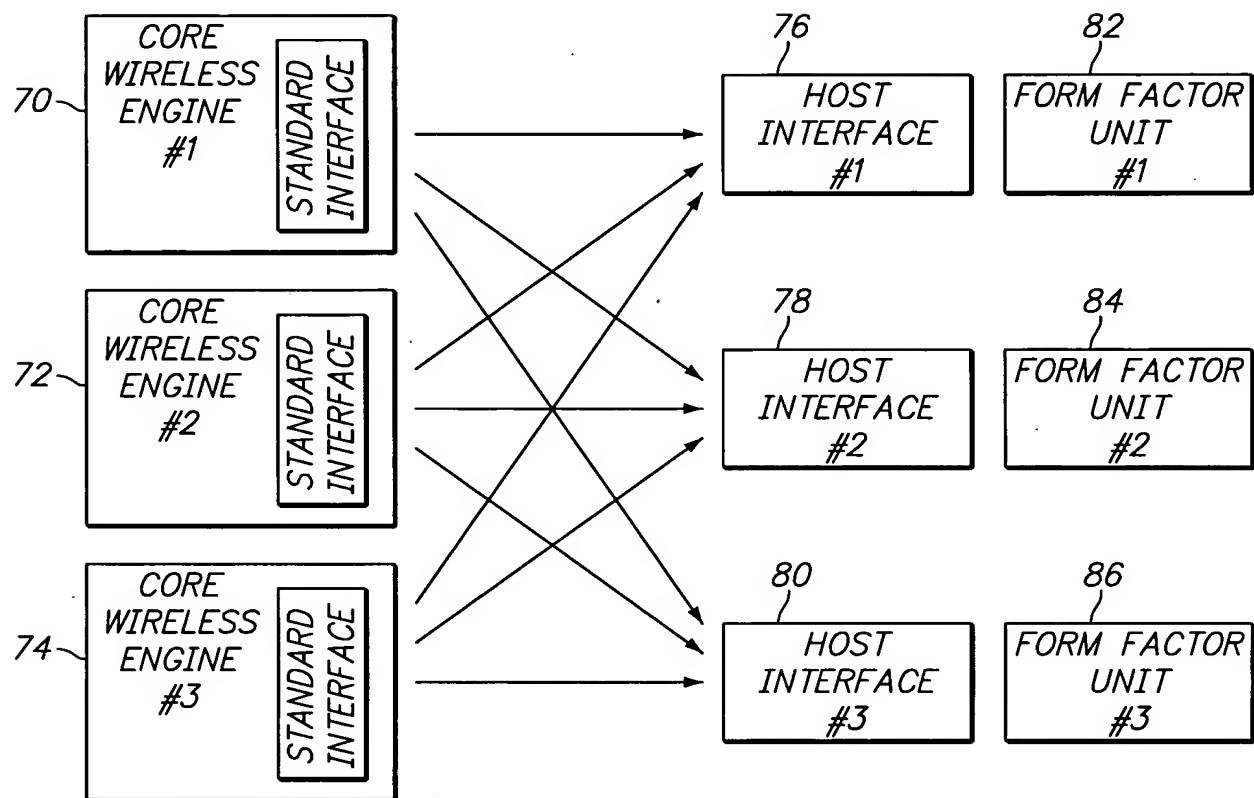


FIG. 3

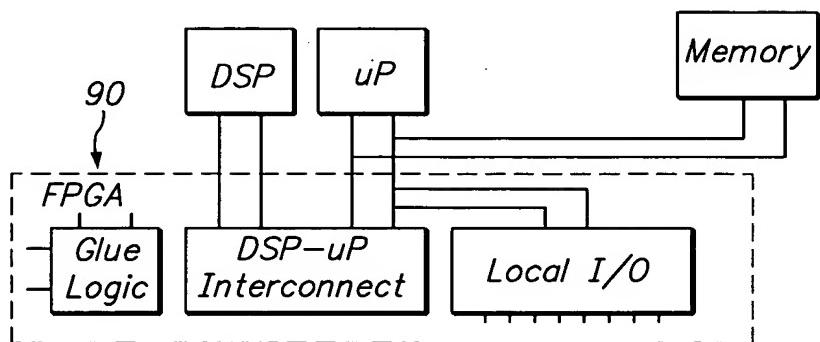


FIG. 4A

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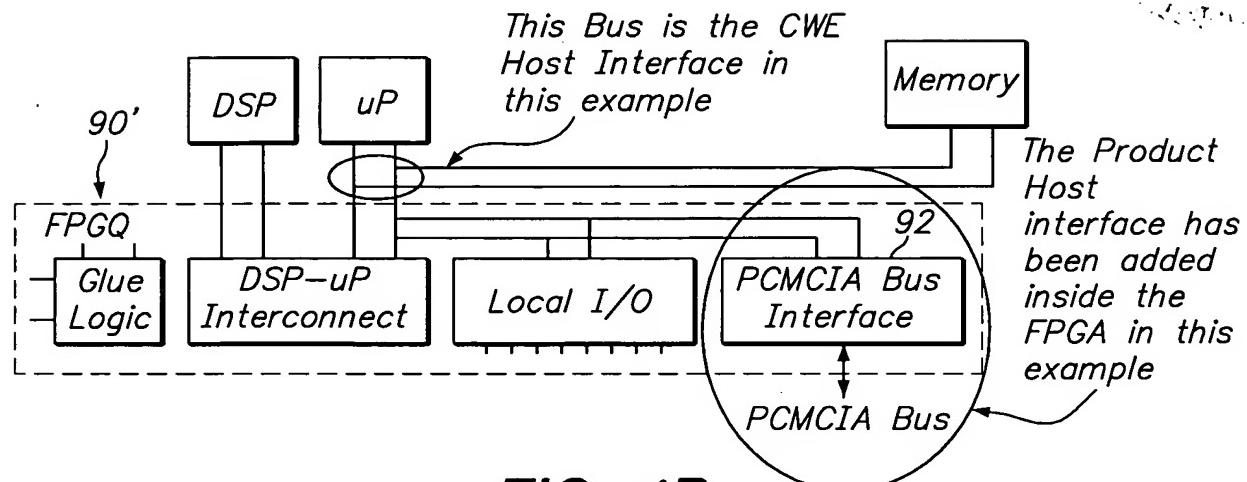


FIG. 4B

Registers Visible to CWE MCU across CWE Host Interface

NIC Support	Read Data	0x00	FIFO	FIFO can be any length
	Framing	0x02		8 or 16 bits wide+2 frame bits
	Read Control	0x04		
	Write Data	0x06	FIFO	FIFO can be any length
	Frame Control	0x08		8 or 16 bits wide+2 frame bits
	Write Control	0x0A		
	Read Control	0x0C		
	Interrupt Ctl	0x0E		
	Interrupt Ctl	0x10		
	Interrupt Ctl	0x12		0x14 to 0x1F reserved
COM Support	Write Data	0x20	FIFO	FIFO can be any length
	Read Data	0x22	FIFO	8 bits wide
	Interrupt Ctl	0x24		FIFO can be any length
	Interrupt Ctl	0x26		8 bits wide
	Control	0x28		
	Control	0x2A		0x2C to 0x6F reserved
Status and Control Registers	Device ID	0x70		
	Device ID	0x72		
	Device ID	0x74		
	Control	0x76		
	Status	0x78		
	Control	0x7A		
	Control	0x7C		
	Control	0x7E		0x80 to 0x1FE reserved

FIG. 5

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CWE Host Interface

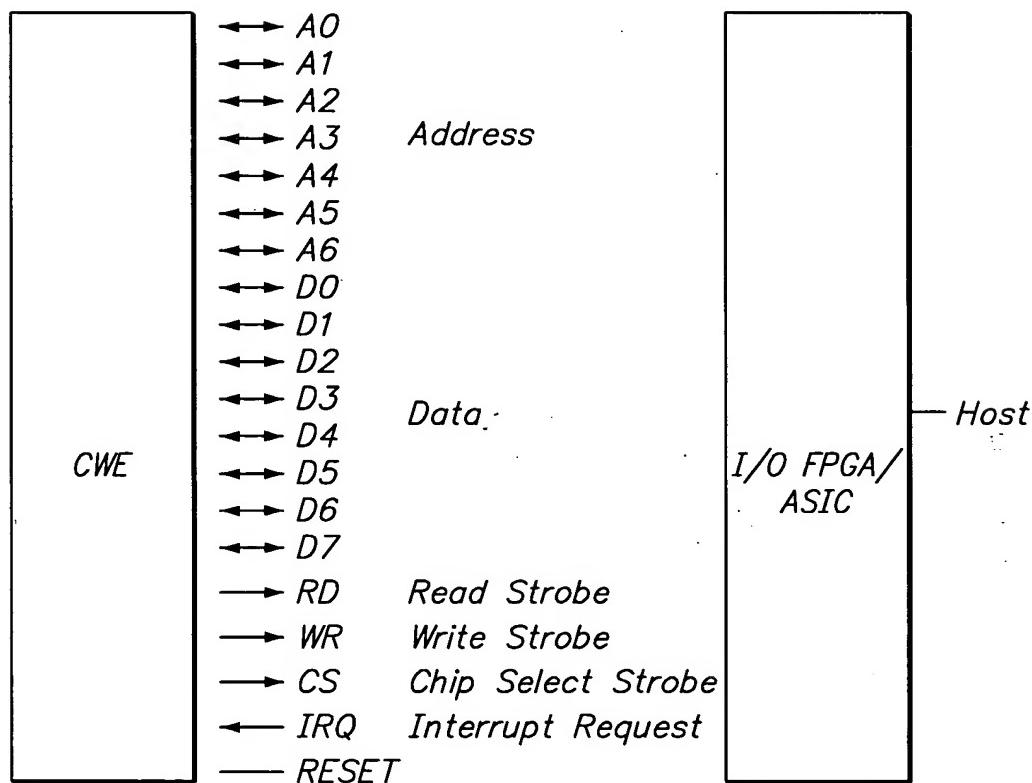


FIG. 6

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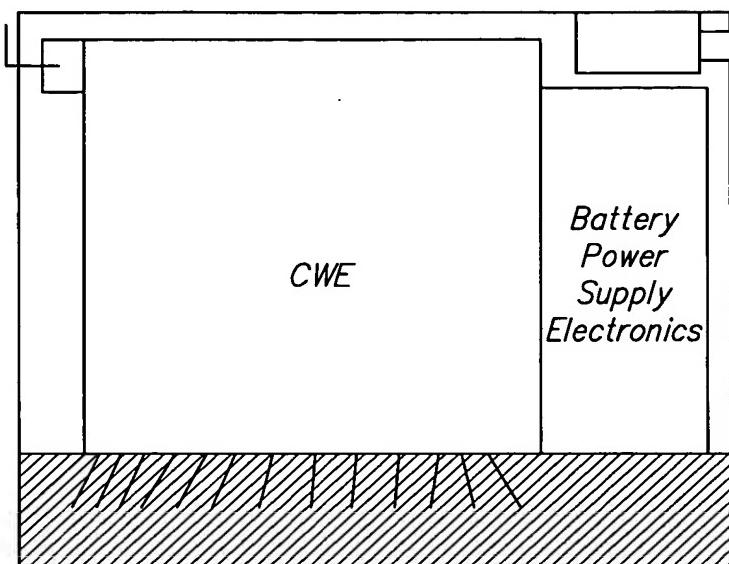


FIG. 8B

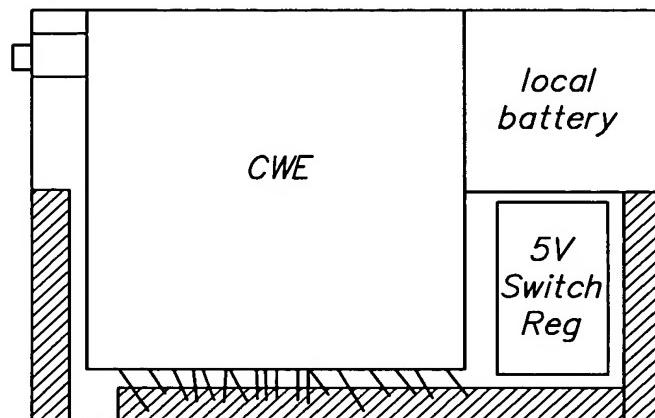


FIG. 8C

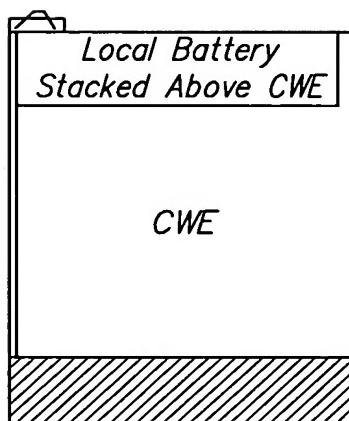


FIG. 8E

Host and DC Connector

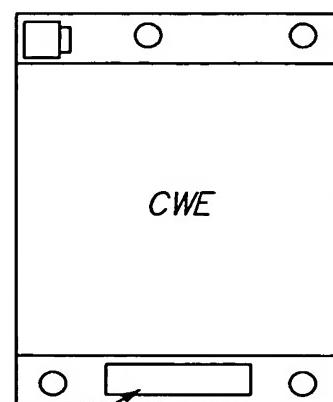
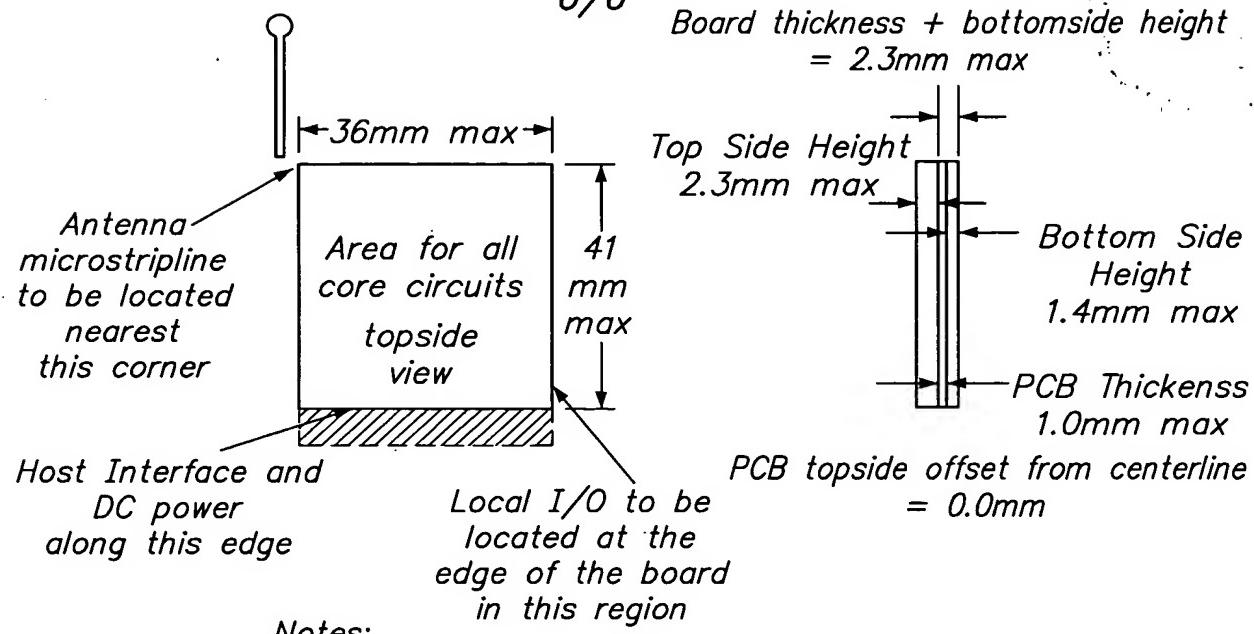


FIG. 8F

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Notes:

- 1) RF connector and host connector fall outside the defined area, but nearest the locations shown.
- 2) Shielding is to be included within the dimensions shown.
- 3) Indicator LEDs, host connectors and other optional peripherals may be outside the dimension shown.
- 4) PCB Thickness at host connector will require additional buildup to 1mm when building a Mini-PCI type 3 product if core design has pcb less than 1.0mm thick

FIG. 7

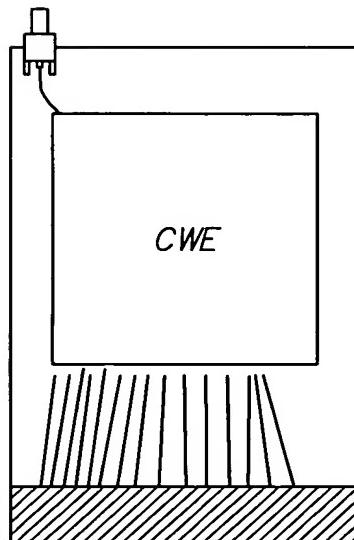


FIG. 8A

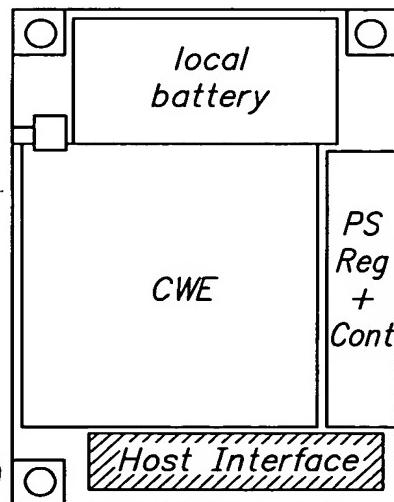


FIG. 8D